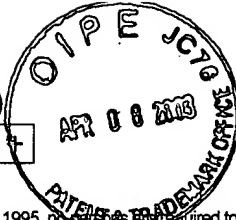


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Application Number	09/818,684
Filing Date	March 28, 2001
First Named Inventor	Craig S. RENDAHL
Group Art Unit	3661
Examiner Name	Brian J. Broadhead
Attorney Docket Number	23439-044-402

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
BJB	US1	3,593,023		Dodson, et al.	07-13-1971	250/43.5
BJB	US2	3,696,247		McIntosh, et al.	10-03-1972	250/83.3
BJB	US3	3,743,426		Steinberg	07-03-1973	356/96
BJB	US4	3,908,167		Hulls, et al.	09-23-1975	324/166
BJB	US5	3,957,372		Jowett, et al.	05-18-1976	356/5
BJB	US6	3,958,122		Jowett, et al.	05-18-1976	250/346
BJB	US7	3,973,848		Jowett, et al.	08-10-1976	356/51
BJB	US8	4,160,373		Fastaia, et al.	07-10-1979	73/23
BJB	US9	4,390,785		Faulhaber, et al.	06-28-1983	250/320
BJB	US10	4,480,191		Karpowycz	10-30-1984	250/200
BJB	US11	4,490,043		Cramp	12-25-1984	356/407
BJB	US12	4,544,273		Berndt	10-01-1985	356/434
BJB	US13	4,560,873		McGowan, et al.	12-24-1985	250/339
BJB	US14	4,663,961		Nelson, et al.	05-12-1987	73/24
BJB	US15	4,719,360		Kontani, et al.	01-12-1988	250/574
BJB	US16	4,746,218		Lord, III	05-24-1988	356/437
BJB	US17	4,765,961		Schiff, et al.	08-23-1988	422/52
BJB	US18	4,795,253		Sandridge, et al.	01-03-1989	356/51
BJB	US19	4,810,884		Carlson	03-07-1989	250/338.5
BJB	US20	4,818,705		Schneider, et al.	04-04-1989	436/164
BJB	US21	4,829,183		McClatchie, et al.	05-09-1989	250/346
BJB	US22	4,924,095		Swanson, Jr.	05-08-1990	250/343
BJB	US23	4,990,780		Lee, et al.	02-05-1991	250/338.5
BJB	US24	4,999,498		Hunt et al.	03-12-1991	73/1
BJB	US25	5,060,505		Tury, et al.	10-29-1991	73/23.31
BJB	US26	5,099,680		Fournier, et al.	03-31-1992	73/23.31
BJB	US27	5,105,651		Gutmann	04-21-1992	73/116
BJB	US28	5,129,257		Carduner, et al.	07-14-1992	250/343
BJB	US29	5,184,017		Tury, et al.	02-02-1993	250/343
BJB	US30	5,210,702		Bishop, et al.	05-11-1993	436/101
BJB	US31	5,246,868		Busch, et al.	09-21-1993	250/339
BJB	US32	5,252,828		Kert, et al.	10-12-1993	250/338.5
BJB	US33	5,306,913		Noack, et al.	04-26-1994	250/338.5
BJB	US34	5,319,199		Stedman, et al.	06-07-1994	250/338.5
BJB	US35	5,332,901		Eckles, et al.	07-26-1994	250/345
BJB	US36	5,343,043		Johnson	08-30-1994	250/338.5
BJB	US37	5,371,367		DiDomenico, et al.	12-06-1994	250/338.5
BJB	US38	5,373,160		Taylor	12-13-1994	250/328.5
BJB	US39	5,386,373		Keeler, et al.	01-31-1995	250/338.5
BJB	US40	5,401,967		Stedman, et al.	03-28-1995	250/338.5
BJB	US41	5,418,366		Rubin, et al.	05-23-1995	250/338.5
BJB	US42	5,451,787		Taylor	09-19-1995	250/338.5
BJB	US43	5,489,777		Stedman, et al.	02-06-1996	250/338.5
BJB	US44	5,498,872		Stedman, et al.	03-12-1996	250/338.5
BJB	US45	5,572,424		Kellogg, et al.	11-05-1996	
BJB	US46	5,583,765		Kleehammer	12-10-1996	

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<i>BTB</i>	US47	5,589,629		Quinn	12-31-1996	<i>73/23</i>
<i>BTB</i>	US48	5,591,975		Jack, et al.	01-07-1997	<i>250/338.5</i>
<i>BTB</i>	US49	5,621,166		Butler	04-15-1997	<i>73/23</i>
<i>BTB</i>	US50	5,644,133		Didomenico, et al.	07-01-1997	<i>250/338.5</i>
<i>BTB</i>	US51	5,693,872		Quinn	12-02-1997	<i>73/23.31</i>
<i>BTB</i>	US52	5,719,396		Jack, et al.	02-17-1998	<i>250/338.5</i>
<i>BTB</i>	US53	5,726,450		Peterson, et al.	03-10-1998	<i>250/338.5</i>
<i>BTB</i>	US54	5,731,510		Jones, et al.	03-24-1998	<i>73/23.31</i>
<i>BTB</i>	US55	5,753,185		Mathews, et al.	05-19-1998	<i>250/338.5</i>
<i>BTB</i>	US56	5,831,267		Jack, et al.	11-03-1998	<i>250/338.5</i>

FOREIGN PATENT DOCUMENTS

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Examiner Signature	<i>[Signature]</i>	Date Considered	<i>5/2/03</i>
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First Named Inventor	Craig S. RENDAHL
Group Art Unit	3661
Examiner Name	Brian J. Broadhead
Attorney Docket Number	23439-044-402

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
BJB	P1	Technical Proposal - "Vehicle Inspection Instrumentation"; submitted to California Air Resources Board; September 1, 1971, Lockheed Palo Alto Research Laboratory, Lockheed Missiles & Space Company - A Group Division of Lockheed Aircraft Corporation, Palo Alto, California	
BJB	P2	HOSHIZAKI, <i>et al.</i> , Final Report - "Vehicle Inspection Instrumentation"; submitted to California Air Resources Board; June 1973, Lockheed Palo Alto Research Laboratory, Lockheed Missiles & Space Company - A Group Division of Lockheed Aircraft Corporation, Palo Alto, California	
BJB	P3	http://www.epa.gov/otaq/15-remot.htm ; "Remote Sensing: A Supplemental Tool for Vehicle Emission Control," August 1993, EPA 400-F-92-017, Fact Sheet OMS-15; 4 pages	
BJB	P4	LUCIEN W. CHANEY, "The Remote Measurement of Traffic Generated Carbon Monoxide, APCA Note-Book," Journal of the Air Pollution Association; Copyright 1983; 3 pages	
BJB	P5	PAUL STOCKWELL, "Tunable Diode Laser Systems Break New Ground in Water Vapour Analysis"; IMA Ltd., Unit Newall Hall Park, Otley, West Yorkshire, United Kingdom; [undated]; 8 pages	
BJB	P6	MARK G. ALLEN, "Diode Laser Absorption Sensors for Gas Dynamic and Combustion Flows," Copyright 1998 Measurement Science and Technology 9; 61 pages	
BJB	P7	KERRY L. SWAYNE, "Infrared Remote Sensing of On-Road Motor Vehicle Emissions in Washington State," March, 1999, Air Quality Program, Washington State Department of Ecology, Washington; Publication #99-204; 20 pages	
BJB	P8	GARY A. BISHOP, <i>et al.</i> , "IR Long-Path Photometry: A Remote Sensing Tool for Automobile Emissions," 1989; reprinted from Analytical Chemistry, 61. 671A; 1989; 6 pages	
BJB	P9	GARY A. BISHOP, <i>et al.</i> , "Oxygenated Fuels, A Remote Sensing Evaluation," SAE Technical Paper Series; Copyright 1989 Society of Automotive Engineers, Inc.; 7 pages	
BJB	P10	ROBERT D. STEPHENS, "Remote Sensing Data and a Potential Model of Vehicle Exhaust Emissions," November 1994, Vol. 44, Journal of Air & Waste Management Association, pp. 1284-1292	
BJB	P11	"An Analysis of On-Road Remote Sensing as a Tool for Automobile Emissions Control," Final Report Prepared by University of Denver Chemistry Department, Colorado, March 1990; 174 pages; prepared for Illinois Department of Energy and Natural Resources	
BJB	P12	ROBERT D. STEPHENS, <i>et al.</i> , "Remote Sensing Measurements of In-Use Vehicle Carbon Monoxide and Hydrocarbon Exhaust Emissions," Environmental Science Department, Michigan, to be presented to Society of Automotive Engineers Government/Industry Meeting, Washington, D.C., May 15, 1991; 9 pages	
BJB	P13	THOMAS C. AUSTIN, <i>et al.</i> , "An Evaluation of "Remote Sensing" for the Measurement of Vehicle Emissions," prepared for The California Air Resources Board and The California I/M Review Committee, August 28, 1990, 30 pages; prepared by Sierra Research, Inc., California	
BJB	P14	ROBERT D. STEPHENS, <i>et al.</i> , "Remote Sensing Measurements of Carbon Monoxide Emissions from On-Road Vehicles," Copyright January 1991, Air & Waste Management Association, Volume 42, No. 1, pp. 39-46	
BJB	P15	DONALD H. STEDMAN, <i>et al.</i> , "Remote Sensing of On-Road Vehicle Emissions," Final Report to Coordinating Research Council, The University of Denver, January 6, 1992, 21 pages	
BJB	P16	PETER POPP, <i>et al.</i> , "Development of a High-Speed Ultraviolet Spectrophotometer Capable of Real-Time NO and Aromatic Hydrocarbon Detection in Vehicle Exhaust," Department of Chemistry, University of Denver, Colorado, Prepared for Proceedings of the 7 th CRC On-Road Vehicle Emissions Workshop, San Diego, California, April 9-11, 1997; 10 pages	
BJB	P17	JOHN DIDOMENICO, <i>et al.</i> , "Preliminary Results from Cold Start Sensor Testing," Presented to 7 th CRC On-Road Vehicle Emissions Workshop, San Diego, California April 9-11, 1997; 1 page	
BJB	P18	GARY A. BISHOP, <i>et al.</i> , "Enhancements of Remote Sensing for Vehicle Emissions in Tunnels," Air & Waste Management Association, Vol. 44, February 1994, pp. 169-175	

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GROUP 3600

P19	PAUL LEONARD GUENTHER, "Contributions to On-Road Remote Sensing of Automobile Exhaust," A Thesis Presented to the Faculty of Natural Sciences, Mathematics, and Engineering, University of Denver, June 1992, 95 pages	
P20	DONALD H. STEDMAN, <i>et al.</i> , "On-Road Remote Sensing of CO and HC Emissions in California," Prepared for Research Division, California Air Resources Board, Sacramento, CA, submitted by University of Denver Chemistry Department, February 1994, 136 pages	
P21	"Unstaffed On-Road Emissions Measurement Systems Services," Prepared by Parsons Engineering Science, Inc., Pasadena, California, September 1995	
P22	"Proposal/Quote for Unstaffed On-Road Emissions Measurement Systems Services" in response to Phase IV - RFQ #94/95-003, prepared by Remote Sensing Technologies, Inc. delivered to Department of Consumer Affairs, Bureau of Automotive Repair, Sacramento, California, September 1, 1995	
P23	STEVEN H. CADLE, <i>et al.</i> , "Measurement of Exhaust Particulate Matter Emissions from In-Use Light-Duty Motor Vehicles in the Denver, Colorado Area," Final Report, prepared for Coordinating Research Council, Atlanta, Georgia, 12/09/97, prepared by General Motors R&D Center, Michigan; 20 pages	
P24	STEVEN H. CADLE, <i>et al.</i> , "Measurement of Exhaust Particulate Matter Emissions from In-Use Light-Duty Motor Vehicles in the Denver, Colorado Area," Final Report, prepared for Coordinating Research Council, Atlanta, Georgia, 3/24/98, "Appendix E. University of Denver Remote Sensing Observation of Smoking Vehicles," prepared by General Motors R&D Center, Michigan; 20 pages	
P25	ROBERT D. STEPHENS, <i>et al.</i> , "Remote Sensing of Carbon Monoxide Emissions from On-Road Vehicles," Environmental Science Department, General Motors Research Laboratories, Michigan for presentation to Air and Waste Management Association, NC, May 1, 1990, 46 pages	
P26	"Description and Documentation for Interim Vehicle Clean Screening Credit Utility," Draft Report, United States Environmental Protection Agency, May 1998, 40 pages	
P27	DAVID S. E. PETHERICK, "Ontario's Indoor, Controlled-Mode Remote Sensing I/M Prescreen Concept," Ministry of Transportation of Ontario, Copyright 1996 Society of Automotive Engineers, Inc., 9 pages	
P28	P. A. WALSH, <i>et al.</i> , "Texas 1996 Remote Sensing Feasibility Study," Final Report, prepared for Texas Natural Resource Conservation Commission, Austin, Texas, 8/29/97, prepared by Desert Research Institute, Energy and Environmental Engineering Center, Reno, Nevada, 9 pages	
P29	"On Road Emissions Measurement System - Specifications," Bureau of Automotive Repair, August 30, 1999, Revision - J, 15 pages.	
P30	CRAIG S. RENDAHL, "Further Analysis of Wisconsin's Remote Vehicle Emissions Sensing Feasibility Studies," "Quality Control Efforts of Remote Vehicle Emissions Sensing," and "Data Handling and Validation from Wisconsin's Remote Vehicle Emissions Sensing Studies," Presented at the Air & Waste Management Annual Measurement of Toxics and Related Pollutants Conference, Research Triangle Park, North Carolina, 5/96, 34 pages.	
P31	JAMES D. PETERSON, <i>et al.</i> , "Find and Fix the Polluters", Chemtech, January 1992, Copyright 1992 American Chemical Society, 7 pages.	
P32	RSD 1000 Operator's Manual (Preliminary), Remote Sensing Technologies, IFB No. 94019, June 1993; and RSD1000 Preliminary Operator's Manual, April 13, 1993, 66 pages.	
P33	RSD-1000 Remote Sensing Device Information Package to Mr. Wolf Klassen, Department of Natural Resources, Presented by Dennis L. Smith, February 24, 1993, 123 pages.	
P34	ROBERT D. STEPHENS, <i>et al.</i> , "An Experimental Evaluation of Remote Sensing-Based Hydrocarbon Measurements: A Comparison to FID Measurements", <u>Journal of the Air & Waste Management Association</u> , Volume 46, February 1996, pages 148-158.	
P35	DONALD H. STEDMAN, "Automobile Carbon Monoxide Emission", <u>Environmental Science & Technology</u> , Volume 23, No. 2, 1989, pages 147-149.	
P36	MASAYUKI ADACHI, <i>et al.</i> , "Automotive Emission Analyses Using FTIR Spectrophotometer", Published by the Society of Automotive Engineers, SAE# 920723, pages 820-827.	
P37	MICHAEL D. KOPLOW, <i>et al.</i> , "Characterization of On-Road Vehicle NO Emissions by Means of a TILDAS Remote Sensing Instrument", Published by the Coordinating Research Council, Published for the 7 th CRC On-Road Vehicle Emissions Workshop, March 11, 1997, pages 1-25.	
P38	SCOTT E. MCLAREN, <i>et al.</i> , "Comparison of an Open Path UV and FTIR Spectrophotometer", Published by the Air & Waste Management Association, Published for Presentation at the 85 th Annual Meeting & Exhibition, Kansas City, Missouri, June 21-26, 1992, pages 1-10.	
P39	"Developing an Inspection/Maintenance Program for Alternately-Fueled Vehicles", Third Interim Report Submitted to the California Bureau of Automotive Repair, Submitted by Radian Corporation, April 20, 1993, 147 pages.	
P40	IAIN FREDERICK MCVEY, "Development of a Remote Sensor for Mobile Source Nitric Oxide", A Thesis Presented to the Faculty of Natural Sciences, Mathematics, and Engineering, University of Denver, November 1992, 111 pages.	
P41	S. P. BEATON, <i>et al.</i> , "Emission Characteristics of Mexico City Vehicles", <u>Journal of the Air & Waste Management Association</u> , Volume 42, No. 11, November 1992, pages 1424-1429.	
P42	DOUGLAS R. LAWSON, <i>et al.</i> , "Emissions from In-Use Motor Vehicles in Los Angeles: A Pilot Study of Remote Sensing and the Inspection and Maintenance Program", <u>Journal of the Air & Waste Management Association</u> , Volume 40, No. 8, August 1990, pages 1096-1105.	
P43	YI ZHANG, <i>et al.</i> , "Enhancement of Remote Sensing for Mobile Source Nitric Oxide", <u>Journal of the Air & Waste Management Association</u> , Volume 46, January 1996, pages 25-29.	
P44	DONALD H. STEDMAN, <i>et al.</i> , "Evaluation of a Remote Sensor for Mobile Source CO Emissions", U.S. Environmental Protection Agency, CR-815778-01-0, Report No. EPA/600/4-90/032, January 1991, 90 pages.	

RECEIVED

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GROUP 3600



P45	JAMES BUTLER, <i>et al.</i> , "Factors Affecting the NDIR Measurement of Exhaust Hydrocarbons", Published by the Coordinating Research Council, Published for the CRC 5 th On-Road Vehicle Emissions Workshop, 1995, 16 pages.
P46	SCOTT E. MCLAREN, <i>et al.</i> , "Flux Measurements Using Simultaneous Long Path Ultraviolet and Infrared Spectroscopy", Published by the Air & Waste Management Association, Published for Presentation at the 83 rd Annual Meeting & Exhibition, Pittsburgh, Pennsylvania, June 24-29, 1990, 7 pages.
P47	GARY A. BISHOP, <i>et al.</i> , "Infrared Emission and Remote Sensing", <u>Journal of the Air & Waste Management Association</u> , Volume 42, No. 5, May 1992, pages 695-697.
P48	HAKAN AXELSSON, <i>et al.</i> , "Measurement of Aromatic Hydrocarbons with the DOAS Technique", <u>Applied Spectroscopy</u> , Volume 49, No. 9, 1995, pages 1254-1260.
P49	GARY A. BISHOP, <i>et al.</i> , "Method Comparisons of Vehicle Emissions Measurements in the Fort McHenry and Tuscarora Mountain Tunnels", <u>Atmospheric Environment</u> , Volume 30, No. 12, 1996, pages 2307-2316.
P50	DONALD H. STEDMAN, <i>et al.</i> , "NOx Data by Remote Sensing", Published by the Coordinating Research Council, Published for the 5 th CRC On-Road Vehicle Emissions Workshop, April 3-5, 1995, 16 pages.
P51	DONALD H. STEDMAN, <i>et al.</i> , "On-Road Carbon Monoxide and Hydrocarbon Remote Sensing in the Chicago Area", Final Report Prepared by University of Denver Chemistry Department, Prepared for Illinois Department of Energy and Natural Resources, Office of Research and Planning, Illinois Contract AQ 40, Project 91/122, Report No. ILENR/RE-AQ-91/14, October 1991, pages 1-70.
P52	GARY A. BISHOP, <i>et al.</i> , "On-Road Carbon Monoxide Emission Measurement Comparisons for the 1988-1989 Colorado Oxy-Fuels Program", <u>Environmental Science & Technology</u> , Volume 24, No. 6, 1990, pages 843-847.
P53	DONALD H. STEDMAN, <i>et al.</i> , "On-Road CO Remote Sensing in the Los Angeles Basin", Final Report Prepared for the Research Division, California Air Resources Board, Submitted by University of Denver Chemistry Department, August 1991, Contract No. A932-189, 70 pages.
P54	SCOTT MCLAREN, "Open Path Spectrometers for Atmospheric Monitoring", A Dissertation Presented to the Faculty of Natural Sciences, Mathematics and Engineering, November 1995, 170 pages.
P55	CAROL E. LYONS, <i>et al.</i> , "Remote Sensing Enhanced Motor Vehicle Emissions Control for Pollution Reduction in the Chicago Metropolitan Area: Siting and Issue Analysis", Final Report Prepared by University of Denver Atmospheric Science Center, Prepared for Illinois Department of Energy and Natural Resources, Office of Research and Planning, Illinois Contract AQ 30, Project 90/009, Report No. ILENR/RE-AQ-91/15, October 1991, pages 1-65.
P56	PETER JOHN POPP, "Remote Sensing of Nitric Oxide Emissions from Planes, Trains and Automobiles", A Dissertation Presented to the Faculty of Natural Sciences, Mathematics and Engineering, August 1999, 170 pages.
P57	BRETT C. SINGER, <i>et al.</i> , "Scaling of Infrared Remote Sensor Hydrocarbon Measurements for Motor Vehicle Emission Inventory Calculations", <u>Environmental Science & Technology</u> , Volume 32, No. 21, 1998, pages 3241-3248.
P58	LUCIAN W. CHANEY, "The Remote Measurement of Traffic Generated Carbon Monoxide", <u>Journal of the Air Pollution Control Association</u> , Volume 33, No. 3, March 1983, pages 220-222.
P59	JOSE LUIS JIMENEZ-PALACIOS, "Understanding and Quantifying Motor Vehicle Emissions with Vehicle Specific Power and TILDAS Remote Sensing", A Dissertation Presented to the Department of Mechanical Engineering, February 1999, 360 pages.
P60	"Vehicle Inspection Instrumentation", Published by the Lockheed Missiles and Space co., Inc., Report No. ARB-R-643-73-26, June 30, 1973, 99 pages.
P61	JOHN E. SIGSBY, JR., <i>et al.</i> , "Volatile Organic Compound Emissions from 46 In-Use Passenger Cars", <u>Environmental Science & Technology</u> , Volume 21, No. 5, 1987, pages 466-475.
P62	YI ZHANG, <i>et al.</i> , "Worldwide On-Road Vehicle Exhaust Emissions Study by Remote Sensing", <u>Environmental Science & Technology</u> , Volume 29, No. 9, 1995, pages 2286-2294.
P63	"Wisconsin's Remote Vehicle Emissions Sensing Study", Submitted by Muhammed Islam <i>et al.</i> , Air Management Program, 157 pages.

Examiner Signature	<i>[Signature]</i>	Date Considered	5/2/03
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